

(19) World Intellectual Property
Organization
International Bureau



536618

(43) International Publication Date
10 June 2004 (10.06.2004)

PCT

(10) International Publication Number
WO 2004/048330 A1

(51) International Patent Classification⁷: **C07D 209/14**,
209/18, 401/12, 403/06, 209/12, A61K 31/4045, A61P
25/00

Pradesh (IN). **JASTI, Venkateswarlu** [IN/IN]; Serene
Chambers, Road No.7, Banjara Hills, Hyderabad-500 034,
Andra Pradesh (IN).

(21) International Application Number:
PCT/IN2003/000209

(74) Agents: **SUBRAMANIAM, Hariharan** et al.; Subrama-
niam, Nataraj & Associates, E- 556, Greater Kailash - II,
New Delhi 110 048 (IN).

(22) International Filing Date: 5 June 2003 (05.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
884/MAS/2002 28 November 2002 (28.11.2002) IN

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): **SUVEN
LIFE SCIENCES LIMITED** [IN/IN]; Serene Chambers,
Road No. 7, Banjara Hills, Hyderabad-500 034, Andra
Pradesh (IN).

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

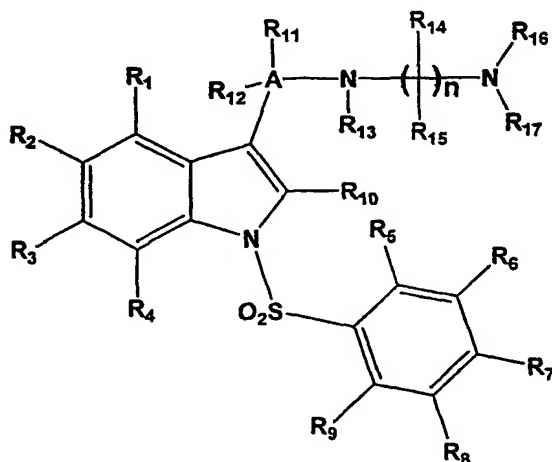
(75) Inventors/Applicants (*for US only*): **RAMAKRISHNA,
Venkata, Satya, Nirogi** [IN/IN]; Serene Chambers, Road
No.7, Banjara Hills, Hyderabad-500 034, Andra Pradesh
(IN). **SHIRSATH, Vikas, Shreekrishna** [IN/IN]; Serene
Chambers, Road No.7, Banjara Hill, Hyderabad-500 034,
Andra Pradesh (IN). **KAMBHAMPATI, Rama, Sastri**
[IN/IN]; Serene Chambers, Road No.7, Banjara Hill,
Hyderabad-500 034, Andra Pradesh (IN). **RAO, Venkata,
Satya, Veerabhadra, Vadlamudi** [IN/IN]; Serene Cham-
bers, Road No.7, Banjara Hills, Hyderabad-500 034, Andra

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: N-ARYLSULFONYL-3-SUBSTITUTED INDOLES HAVING SEROTONIN RECEPTOR AFFINITY, PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITION CONTAINING THEM



(I)

(57) Abstract: The present invention relates to novel N-arylsulfonyl-3-substituted indole compounds, their derivatives, their analogs, their tautomeric forms, their stereoisomers, their geometric forms, their N-oxides, their polymorphs, their pharmaceutically acceptable salts, their pharmaceutically acceptable solvates and pharmaceutically acceptable compositions containing them. This invention particularly relates to novel N-arylsulfonyl-3-substituted indoles of the general formula (I), their derivatives, their analogs, their tautomeric forms, their stereoisomers, their polymorphs, their pharmaceutically acceptable salts, their pharmaceutically acceptable solvates, and pharmaceutically acceptable compositions containing them. This invention also

relates to the process for preparing compounds of the general formula (I), pharmaceutical compositions containing such compounds and the use of such compounds and compositions in medicine. This invention also relates to the novel intermediates involved therein and process of their preparation.

WO 2004/048330 A1